



1063
Profile & decks
Swan Hunter & W. R. Ltd

373

241631
4527-23

1063



RETAIN

SS CITY OF BRISBANE
F WCASTLE ON TYNE.
Report No. 73339.

W372-0076

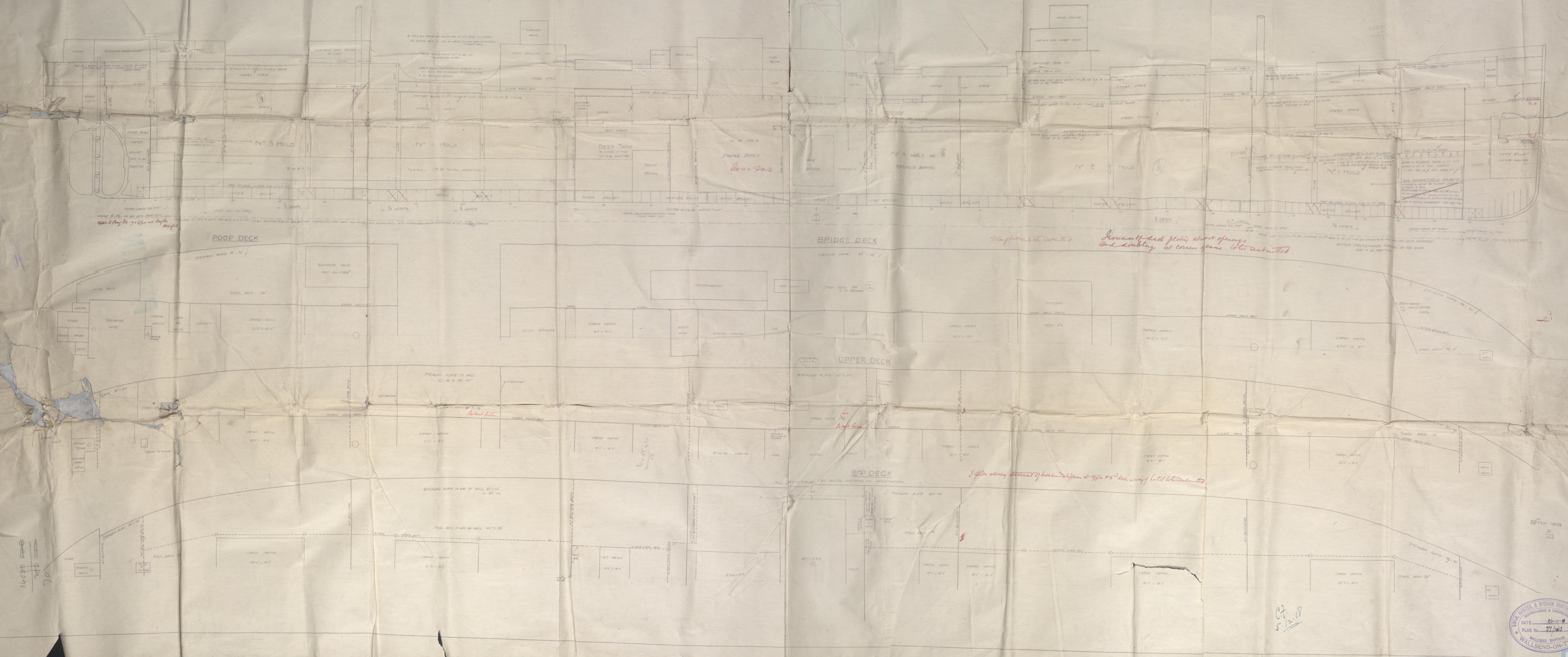


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PROFILE & DECK PLANS
S.S.N. 1063.

5-12-18.
29.3.19

466.9 B.P. x 58.5 MLD x 33.0 MLD.
GALLEY 16' x 1 FOOT.
To CLASS "LLOYDS 100.R.U."



Messrs Swan & Hunter

S/S 1063

Profile and deck
of vessel as built

SS. "CITY OF BRISBANE"
NEWCASTLE ON TYNE.

Report No. 73339.

RETAIN

W372-0078



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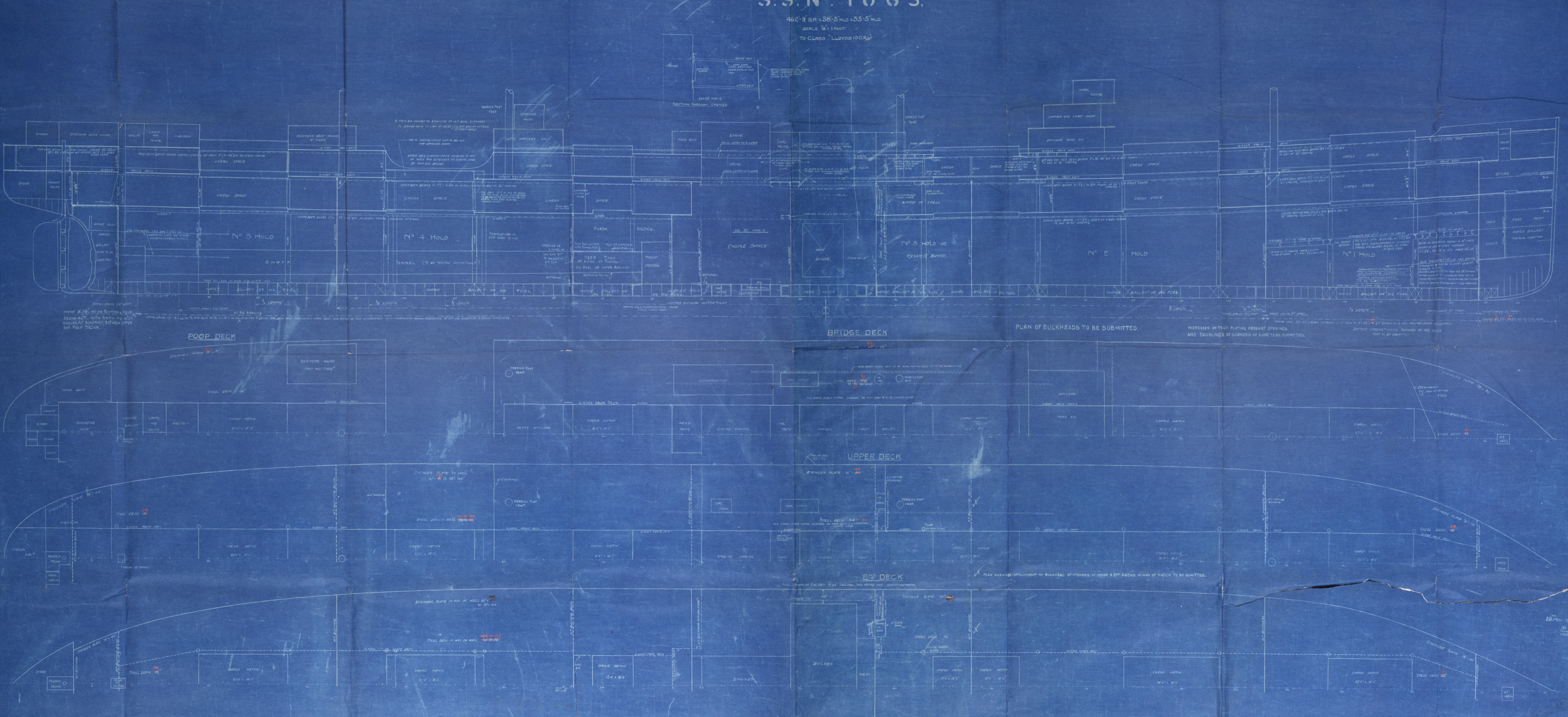
PROFILE & DECK PLANS

S.S.N. 1063.

462' 9" BR x 58' 5" MLD x 33' 5" MLD.

SCALE 1' 0" FOOT.

To Class "LLOYD'S 100.R."





RETAIN

1063
Midships Section
Sue Hunter A.R.

SS. "CITY OF BRISBANE"
NEWCASTLE ON TYNE.
Report No. 73339.

W372-0074

352

LR

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MIDSHIP SECTION

S. S. N° 1063.

5-12-18
29.3.19

462.9 B.P. 58.5 M.D. x 33.5 M.D.

SCALE 1:1 FOOT

TO CLASS LLOYDS 100A1.

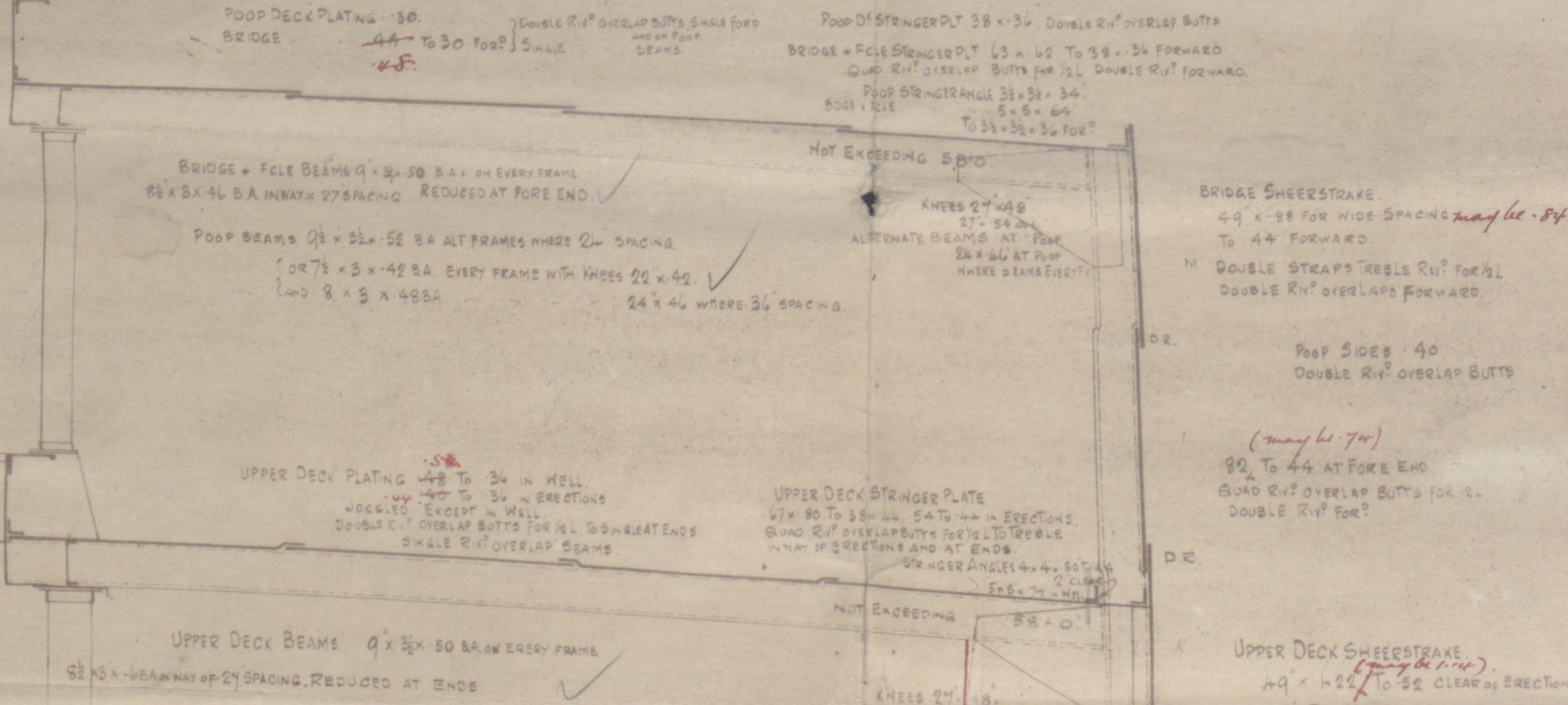
LLOYDS NUMBERS.

B = 58.42
D = 33.42
91.84 TRANSVERSE NUMBER
L = 46275
42499 LONGITUDINAL NUMBER

$d = \sqrt{D^2 + L^2}$ 13.93
EQUATOR 11.12

$d = 22.0$
22.0 DIFFERENCE IN RISE AND
HOLD BY HOLD

COMBINED FORECASTLE AND BRIDGE DECK.



EQUIPMENT NUMBER.

HULL 42499
FOOT 475.45 MTS
DECK 512.18 MTS
HOLD 462.9 MTS
45718

EQUIPMENT.

2 BOWERS ANCHOR STOCKLESS 77 CTS EACH
1 STREAM ANCHOR 22 CTS EACH ✓
1 KEDGE 10 ✓
200 FMS 2% STOC CHAIN CABLE ✓
120 5' STEEL STREAM WIRE ✓
30 5' WIRE TOWLINE ✓
4 MANILLA KNOTS EACH 8 x 100 FMS ✓

TWO ROWS OF NARROW SPACED BUILT PILLARS
WITH GIRDERS SEE SPECIAL PLAN
6 reinforced

RULE STEM 11 x 28
RULE STERNPOST 11 and 12 x 88

WT BULKHEADS AS PER RULE
to be reinforced

TANK TOP CENTRE STRAKE
46 x 14 TO 44 68 B.S.M.
TRIPLE RIVET OVERLAP BUTTS DOUBLE RIVET BUTTS
WHERE NOT EXCEEDING 48

SINGLE STRAKE 68 B.S.M.
68 IN END SPACES AND PORTS 30 x 100

REINFORCED 68 B.S.M.

PROVIDED 42 WT TANK LEVEL TO MINE
4.67 x 4.42 MARS

TRIPLE RIVET OVERLAP BUTTS 5.6 M.D.

DOUBLE 5.6 x 6.6 ✓

FLAT PLATE KEEL
46 x 14 TO 50 ✓

DOUBLE BUTT STRAPS TRIPLE RIVET
FOR 12" QUAD RIVET OVERLAP AT DRAFT

FLAT PLATE 36 x 14 TO 50 ✓

Messrs Swan & Hunter

815 1063

Midship Section

of vessel as built

"CITY OF BRISBANE"

NEWCASTLE ON TYNE.

Report No. 73339.

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W372-0075

MIDSHIP SECTION

S. S. N° 1063.

462.9 B.P. x 58.5 M.P. x 33.5 M.D.

SCALE 2:1 FOOT.

To CLASS LLOYD'S 100 A1.

LLOYD'S NUMBERS.

B = 58.42
D = 33.62
91 84 TRANSVERSE NUMBER
L = 4675
42499 LONGITUDINAL NUMBER

$\frac{L}{D} = \frac{13.85}{11.12}$

$\frac{d}{D} = 1.98$
33.5 M.P.
23.25 M.A.T.
10.62 10th STRENGTH PLATES
10.8

COMBINED FORECASTLE AND BRIDGE DECK

POOP DECK PLATING 130.
BRIDGE 48 TO 58.5 BA. DOUBLE RIV. OVERLAP BUTTS
50-50-50. DOUBLE RIV. OVERLAP BUTTS FOR 10.62 DOUBLE RIV. FORWARD
QUAD RIV. OVERLAP BUTTS FOR 10.62 DOUBLE RIV. FORWARD
POOP STRINGER PLATE 26.5 BA.
ROUTE 41. 46 TO 58.5 BA. DOUBLE RIV. FORWARD
TO 58.5-36. FORWARD

NOT EXCEEDING 58.40

POOP BEAMS 10 x 58.5 BA. ALTFRAMES WHERE 24 BA. SPACING.
10 x 58.5 x 42 BA. EVERY FRAME WITH KNEES 52 x 42.
1000 8 x 8 x 48 BA. 24.40 WHERE 36 SPACING.

KNEES 52 x 42.
ALTFRAMES AT POOP
24 BA. AT POOP
HARD SPACING.

ROUTE 41. 46 TO 58.5 BA.

NOT EXCEEDING 58.40

POOP SIDES 40.
DOUBLE RIV. OVERLAP BUTTS

ROUTE 41. 46 TO 58.5 BA.

NOT EXCEEDING 58.40

POOP SIDES 40.
DOUBLE RIV. OVERLAP BUTTS

ROUTE 41. 46 TO 58.5 BA.

NOT EXCEEDING 58.40

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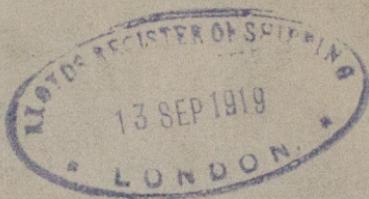
NOT EXCEEDING 58.40

POOP SIDES 40.
DOUBLE RIV. OVERLAP BUTTS

ROUTE 41. 46 TO 58.5 BA.

NOT EXCEED

Wallsend Slip & Dry Co 334 B.
auxiliary Boilers for Dry dock
225 lbs.



SWAN HUNTER & Wigham Richardson Ltd.
in CITY OF BRISBANE 1063

NEWCASTLE ON TYNE.

Report No. 73339.

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W37D 0077

BOILER ORDER NO. 334B.

MESSRS. SWAN, HUNTER & Wigham Richardson SS 1063

To Be Constructed To Pass LLOYD'S Requirements.

1. OFF.

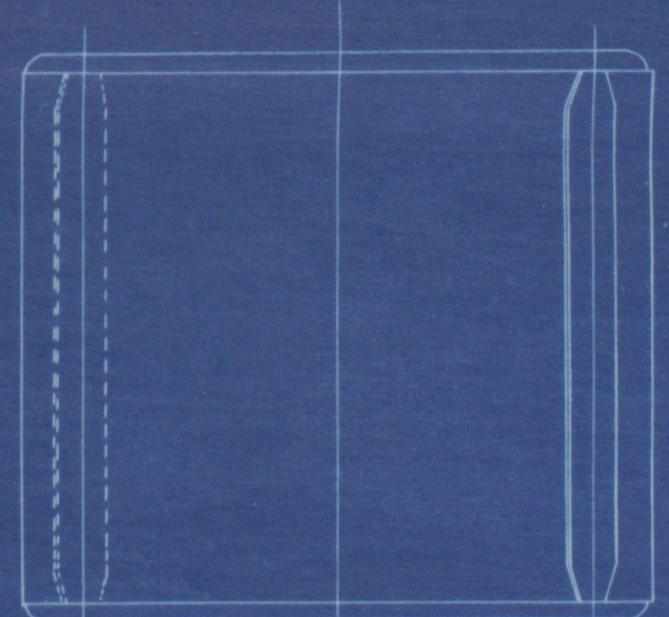
SCALE 1:1 FOOT.

BOILER DESIGNED TO SCANTLINGS OF THE BRITISH MARINE
ENGINEERING DESIGN & CONSTRUCTION COMMITTEE

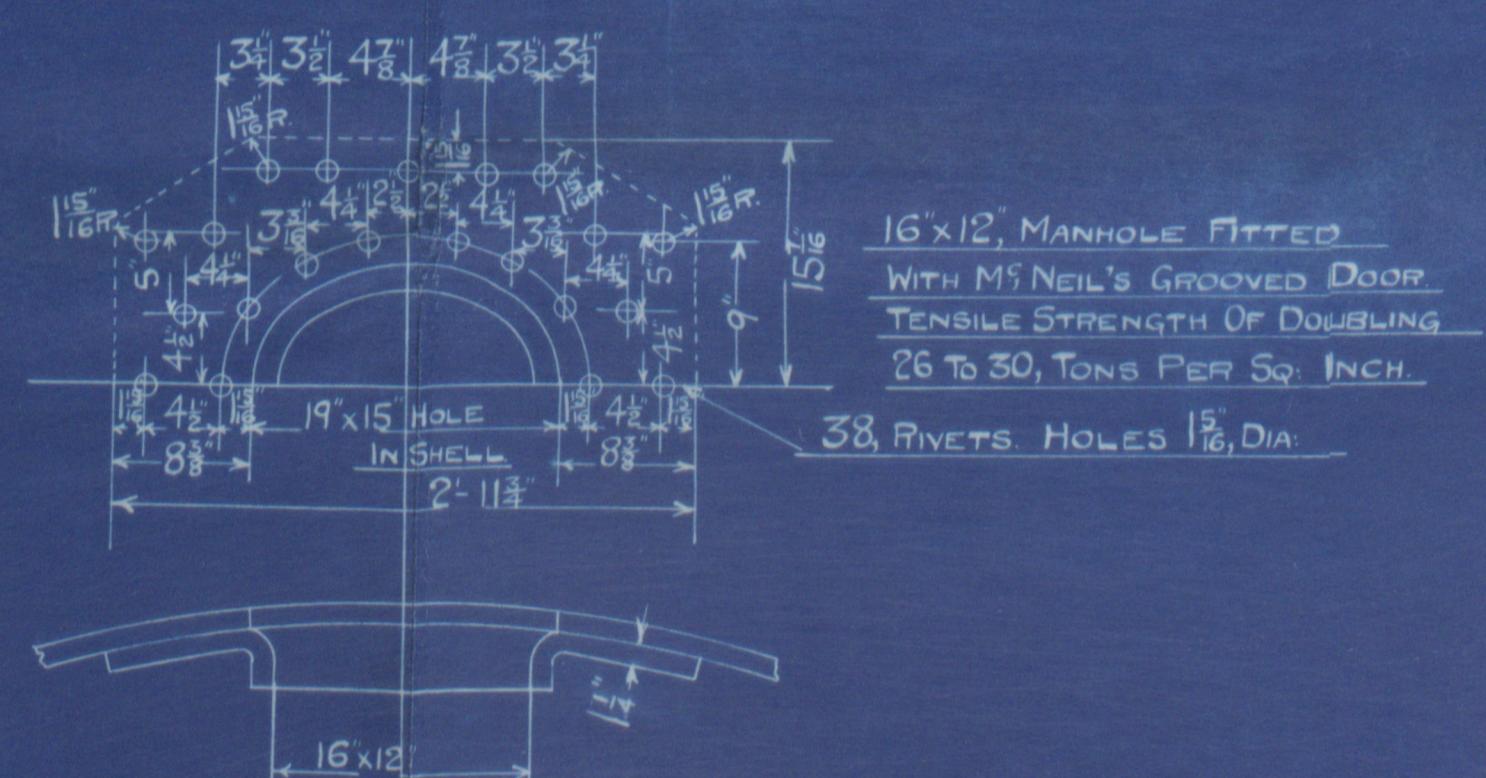
28/8/1919
TIME CHARGED TO
28/8/1919

HEATING SURFACE.

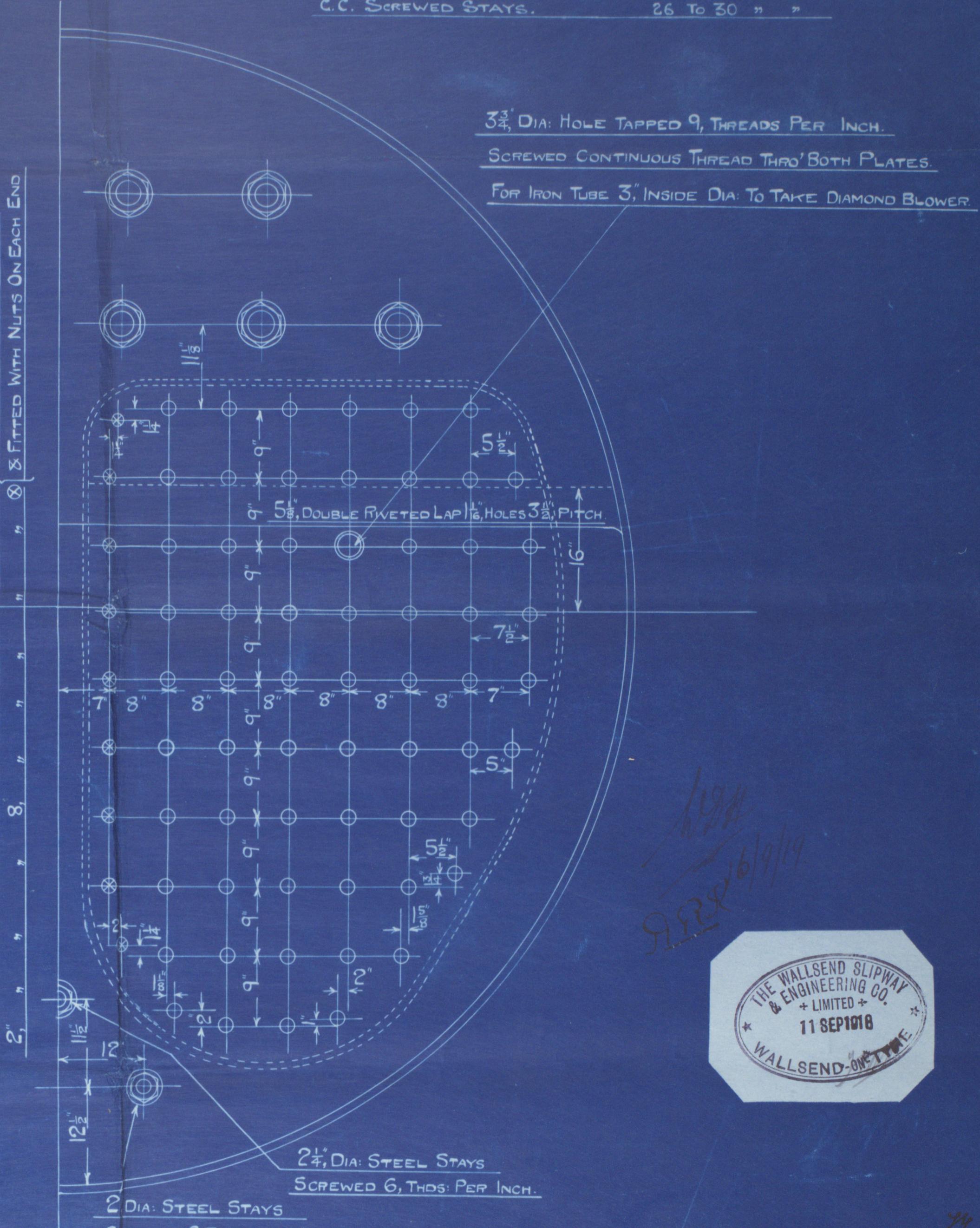
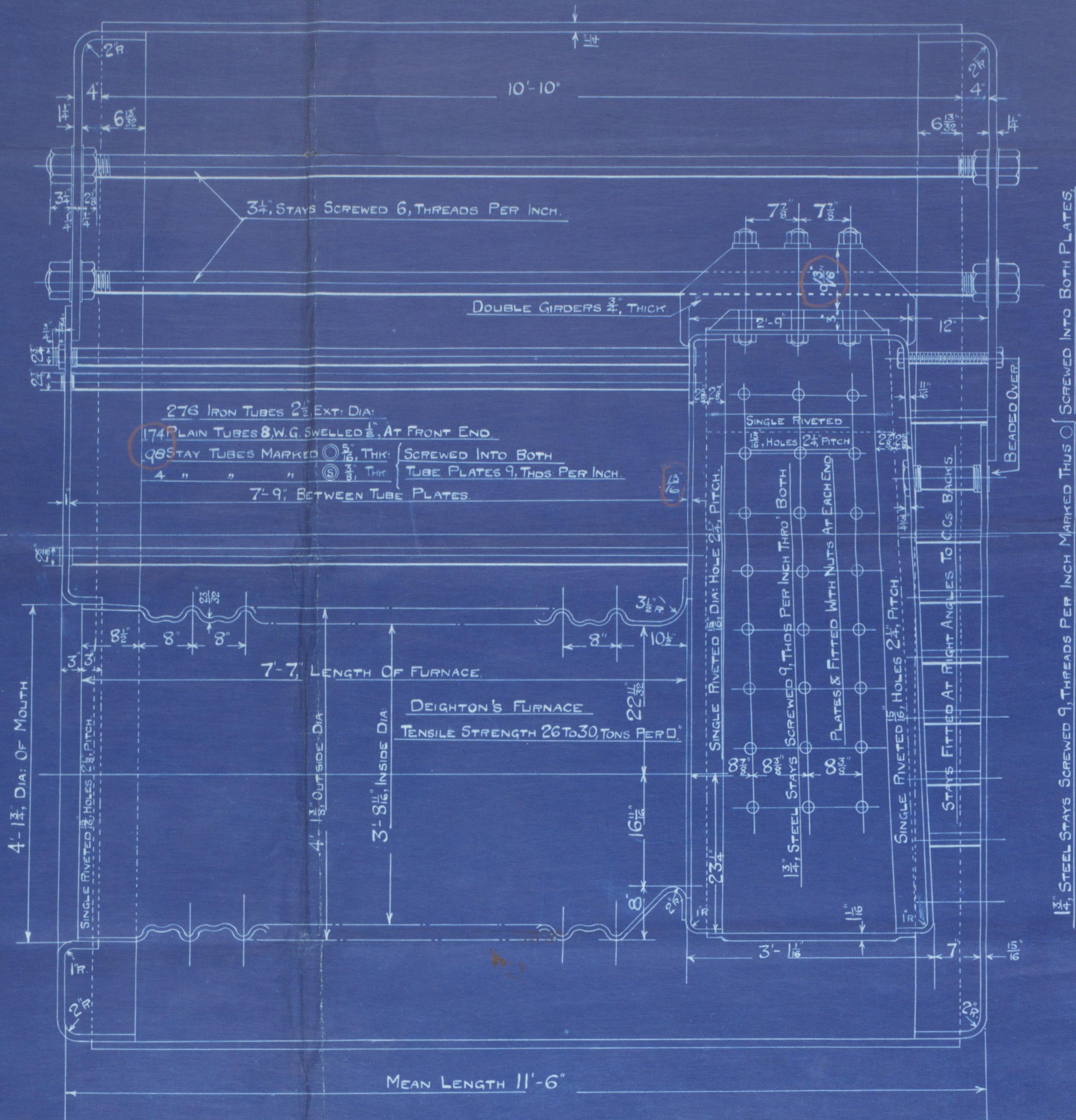
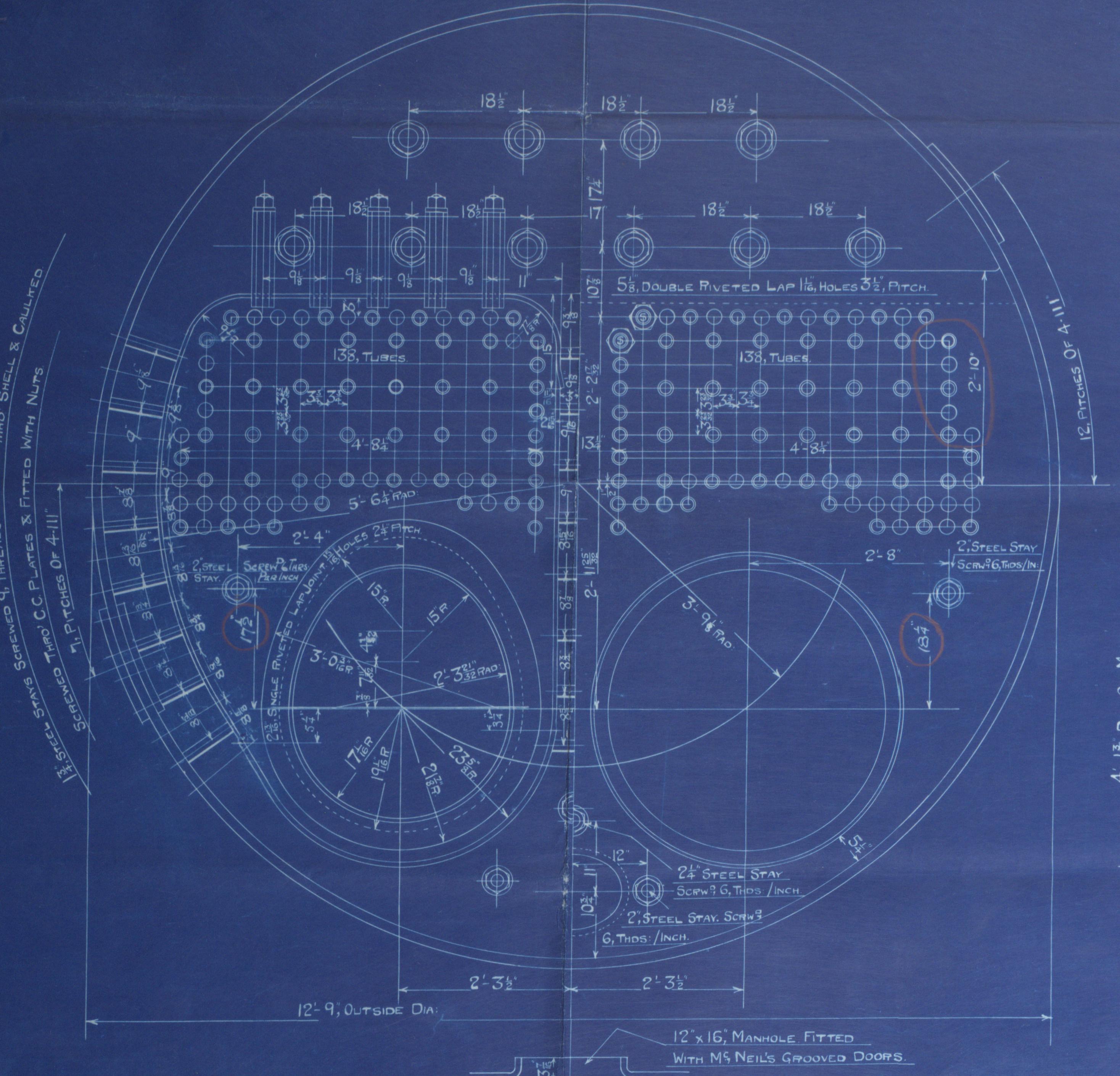
| | |
|----------------------|-----------------------|
| TUBES | 1400. SQ. FEET |
| FURNACES | 113 " " |
| COMBUSTION CHAMBERS | 154 " " |
| BACK TUBE PLATE | 35 " " |
| FRONT TUBE PLATE | 26 " " |
| TOTAL FOR ONE BOILER | 1723 SQ. FEET |
| WORKING PRESSURE | 225 LBS. PER SQ. INCH |
| TEST PRESSURE | 394 " " |
| GRATE SURFACE | 42 SQ. FEET |



FRONT OF BOILER



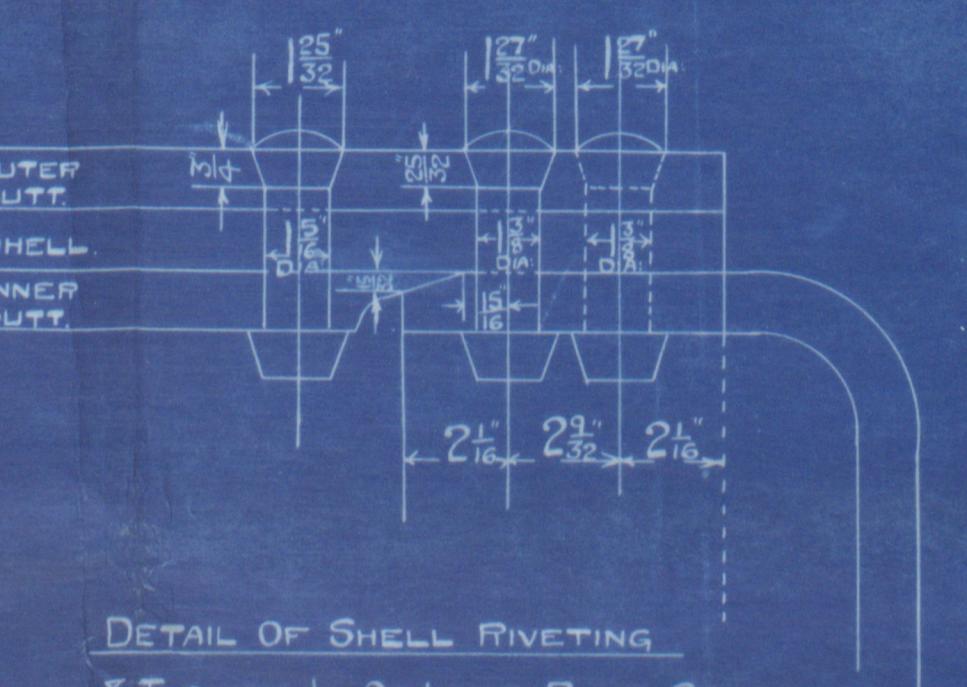
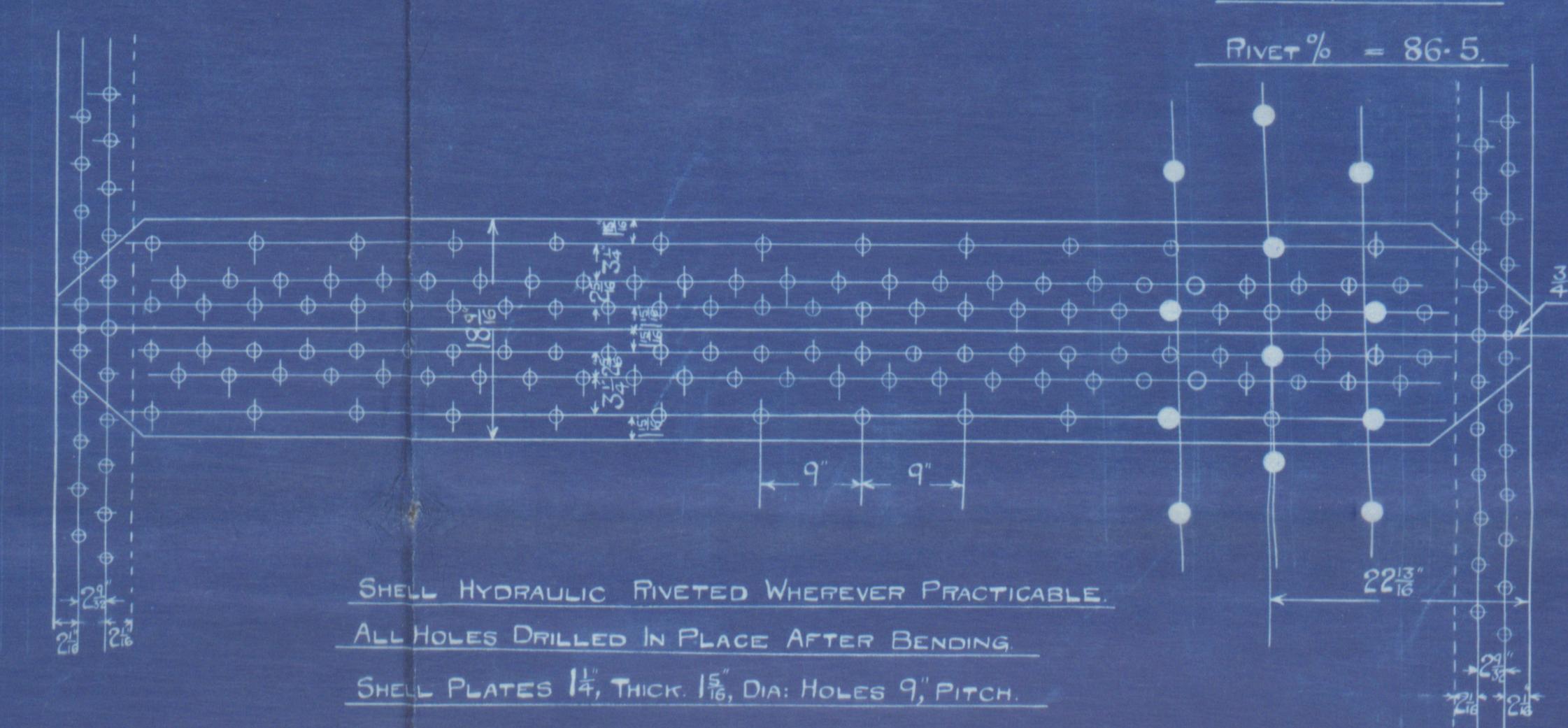
FRONT OF BOILER



DETAIL OF BUTT STRAP & SHELL RIVETING.

PLATE % = 85.4

RIVET % = 86.5



DETAIL OF SHELL RIVETING
8 TUCKING IN OF INNER BUTT STRAP.

MATERIAL.

PLATES STEEL

RIVETS "

STAYS "

TUBES IRON

TENSILE STRENGTH OF MATERIAL.

SHELL PLATES AND BUTT STRAPS 30 TO 34 TONS/INCH

WRAPPER & FLANGED PLATES 26 TO 30 "

GIRDER PLATES 28 TO 32 "

STAY BARS LONGITUDINAL 28 TO 32 "

C.C. SCREWED STAYS 26 TO 30 "

3 1/2" DIA: HOLE TAPPED 9, THREADS PER INCH.
SCREWED CONTINUOUS THREAD THRO' BOTH PLATES.
FOR IRON TUBE 3" INSIDE DIA TO TAKE DIAMOND BLOWER



W372-005
R

16/9/19

12-9-19

Engineering Foundation

Walledon slip dry co 800
Amended plan of main boiles
225 lbs.

Plan now approved
Swan Hunter, Wigham Richardson 1063
"CITY OF BRISBANE"
NEWCASTLE ON TYNE.
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